OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/922,958

DATE: 08/14/2001 TIME: 12:25:37

Input Set : A:\PTO_VSK.txt

Output Set: N:\CRF3\08142001\1922958.raw



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FACTO																				
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	_	130>		- 25	TIDE	MATERIAL .	27/	12/49	เกดห											
vc>	12 /	1405	CUR	PENT	APP	LICA	TION	INUM	IREK:	US/	09/9	22,9	958		•					
(C>																				
	12 /	150>	PRT	OR A	PLP	LCATI	I NO.	MOMP	ik. o	5 00)/223	3,480)							
	13 <	151>	PRI	OR F	'ILII	√IG D <i>E</i>	ATE:	2000	7-00-	07										
	15 /	160>	NIIM	BER	OF S	SEQ]	[D])S: /	1											
	17 <	:170>	SOF	TWAR	RE: I	Pater	ntIn	vers	sion	3.0										
	19 <	(210>	SEÇ) ID	NO:	1														
				IGTH:		2														
	21 <	<212>	TYI	E: I	ANC			•												
	22 <	<213>	ORG	SANIS	SM: 1	Homo	sap	ıens									-			
	24 <	<220>	FEA	ATURI	Ξ:															
	25 ∢	<221>	NA1	ME/KI	EY:	CDS	,,,	٥,												
				CATIO		4														
				QUENC				220	tgg (Tac	σασ	acc	σaσ	qta	ggc	gcg	gag		48	
	29 8	atg (ccc (cgg a	agg	gcg	gag	aac λen	Trp	Asp	Glu	Ala	Glu	val	Gly	Ala	Glu			
	31					-	αaα	tac	ggc	aat	ma a	qaa	gac	ggc	ggg	gag	gag		96	
	33	gag (gca	ggc (g LC	yaa Clu	gay Glu	Tvr	Gly	Pro	Ğlu	Ğlu	Asp	Gly	Gly	Glu	Glu			
																			4.4	
	35					πασ	tcc	aac	ccg	qaa	gag	tcc	ggc	ccg	gag	gaa	ctg		144	
	3/	cor i	990	ycc Ala	Glu	Glu	Ser	Gly	Pro	Ğlu	Glu	Ser	Gly	Pro	Glu	Glu	Leu			
																			192	
	39 41	aaa	acc		σaσ	σασ	atq	gag	gcc	ggg	cgg	ccg	cgg	ccc	gtg	ctg	cgc		192	
	41	ggc clv	ycc ∆1a	Glu	Glu	Glu	Met	Glu	Ala	Gly	Arg	Pro	9	Pro	Val	Leu	Arg			
																			240	
	45			aac	tcg	cgc	gag	ccc	tcc	cag	gtc	atc	ttc	tgc	aat	2 ma	cor		210	
	46	Ser	Val	Asn	Ser	Arg	Glu	Pro	Ser	Gln	Val	110	Phe	Cys	ASII	AIG	361			
																			288	
			cgc	gtc	gtg	ctg	ccc	gta	tgg	ctc	aac	ttc	gac	ggc	gay	Dro	Gln			
	50	Pro	Arg	Val	Val	Leu	Pro	Val	Trp	Leu	TOIL	Pne	ASP	GIY	GIU	95	01			
																			336	
	53	ccc	tac	cca	açg	ctg	ccg	cct	ggc	acg	ggc	ege	Ara	Tla	His	Ser	Tvr			
	54	Pro	Tyr	${\tt Pro}$	Thr	Leu	Pro	Pro	GTA	1111	стА	ALG	итA	116	110		Tyr			
1.																			384	
	57	cga	ggt	cac	ctt	tgg	ctc	ttc	aga	yat.	y Ca	999 G177	Thr	His	Asp	Ğĺv	ctt Leu			
	58	Arg	Gly	His	Leu	Trp	Leu	ьиe	120	ASP	та	GIY	- 114	125		-	Leu			
	59			115				++-	120	ata	cca	tet	ctc	aat	qtt	gac	gga		432	
	61	ctg	gtt	aac	caa	act	gaa	LLd	Dho	y Ly Val	Pro	Ser	Leu	Asn	val	Āsp	Gly			
			Val	Asn	GIn	Tnr	GIU	. Leu 135	FIIG	, uı	- 10		140			_				,
	63		130					T 2 2												

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Input Set : A:\PTO_VSK.txt
Output Set: N:\CRF3\08142001\I922958.raw

the age of that act ctg aga gag	
	480
65 cag cct att ttt gcc aat atc aca ctg cca gtg tat act ctg aaa gag	
65 cag cct att ttt gcc aat atc aca ctg ccd gcg are the Leu Lys Glu 66 Gln Pro Ile Phe Ala Asn Ile Thr Leu Pro Val Tyr Thr Leu Lys Glu 150 160	
67 145 150 150 at a star and cot gag aat tac agg	528
67 145 69 cga tgc ctc cag gtt gtc cgg agc cta gtc aag cct gag aat tac agg 69 cga tgc ctc cag gtt gtc cgg agc cta gtc aag cct gag aat tac agg	
70 Arg Cys Leu Gln Val Val Alg Sel Dea Val -1-	
70 Ang Cys 250 175 175 177 177 177 177 177 177 177 177	576
71 165 170 170 170 170 170 170 170 170 170 170	
74 Arg Leu Asp Ile Val Arg Sei Leu 191 Cla 1111	
75 180 185 185 190	624
75 180 103 77 aat gtg cag aaa gac ctg gag cgg ctg aca cag gag cgc att gca cat 77 aat gtg cag aaa gac ctg gag cgg ctg aca cag gag cgc att gca cat	
	642
79 195 81 caa cgg atg gga gat tga	0.2
82 Gln Arg Met Gly Asp	
010	
83 210	
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87 <211> LENGTH: 213	
88 <212> TYPE: PRT	
89 <213> ORGANISM: Homo sapiens	
91 <400> SEQUENCE: 2 93 Met Pro Arg Arg Ala Glu Asn Trp Asp Glu Ala Glu Val Gly Ala Glu 10 15	
93 Met Pro Arg Arg Ald Glu Ash 117 117 110 15	
94 1 5 10 97 Glu Ala Gly Val Glu Glu Tyr Gly Pro Glu Glu Asp Gly Gly Glu Glu 97 Glu Ala Gly Val Glu Tyr Gly Pro Glu Glu Asp 30	
97 Glu Ala Gly Val Glu Glu Tyl Gly 25	
98 20 Cly Pro Glu Glu Ser Gly Pro Glu Glu Leu	
98 20 25 101 Ser Gly Ala Glu Glu Ser Gly Pro Glu Glu Ser Gly Pro Glu Glu Leu 40 45	
102 35 40 Arg Pro Arg Pro Val Leu Arg	
102 35 40 105 Gly Ala Glu Glu Glu Met Glu Ala Gly Arg Pro Arg Pro Val Leu Arg 60	
106 50 55 60 106 50 109 Ser Val Asn Ser Arg Glu Pro Ser Gln Val Ile Phe Cys Asn Arg Ser 109 Ser Val Asn Ser Arg Glu Pro Ser Gln Val Ile Phe Cys Asn Arg Ser	
109 Ser Val Asn Ser Arg Glu Pro Ser Gli Val 220 80	
110 65 70 75 113 Pro Arg Val Val Leu Pro Val Trp Leu Asn Phe Asp Gly Glu Pro Gln 95	
113 Pro Arg Val Val Leu Pro Val Trp Leu Ash The May 95	
114 85 Ser Tyr	
114 85 117 Pro Tyr Pro Thr Leu Pro Pro Gly Thr Gly Arg Arg Ile His Ser Tyr	
114 85 117 Pro Tyr Pro Thr Leu Pro Pro Gly Thr Gly Arg Arg Ile His Ser Tyr 110 110	
114 85 117 Pro Tyr Pro Thr Leu Pro Pro Gly Thr Gly Arg Arg Ile His Ser Tyr 118 100 105 110 121 Arg Gly His Leu Trp Leu Phe Arg Asp Ala Gly Thr His Asp Gly Leu	
114 85 117 Pro Tyr Pro Thr Leu Pro Pro Gly Thr Gly Arg Arg Ile His Ser Tyr 117 Pro Tyr Pro Thr Leu Pro Pro Gly Thr Gly Arg Arg Ile His Ser Tyr 118 100 105 110 121 Arg Gly His Leu Trp Leu Phe Arg Asp Ala Gly Thr His Asp Gly Leu 121 Arg Gly His Leu Trp Leu Phe Arg Asp Ala Gly Thr His Asp Gly Leu	
114 117 Pro Tyr Pro Thr Leu Pro Pro Gly Thr Gly Arg Arg Ile His Ser Tyr 118 100 105 110 121 Arg Gly His Leu Trp Leu Phe Arg Asp Ala Gly Thr His Asp Gly Leu 122 115 120 125 126 127 128 129 129 120 120 125 120 120 125 120 120 120 125	
114 117 Pro Tyr Pro Thr Leu Pro Pro Gly Thr Gly Arg Arg Ile His Ser Tyr 118 100 105 110 1110 1121 Arg Gly His Leu Trp Leu Phe Arg Asp Ala Gly Thr His Asp Gly Leu 121 Arg Gly His Leu Trp Leu Phe Arg Asp Ala Gly Thr His Asp Gly Leu 122 125 126 127 128 129 120 120 120 120 120 120 120 120 120 120	
114 117 Pro Tyr Pro Thr Leu Pro Pro Gly Thr Gly Arg Arg Ile His Ser Tyr 118 110 118 121 Arg Gly His Leu Trp Leu Phe Arg Asp Ala Gly Thr His Asp Gly Leu 121 Arg Gly His Leu Trp Leu Phe Arg Asp Ala Gly Thr His Asp Gly Leu 122 115 120 125 Leu Val Asn Gln Thr Glu Leu Phe Val Pro Ser Leu Asn Val Asp Gly 126 130 135 140 140 150	
114 117 Pro Tyr Pro Thr Leu Pro Pro Gly Thr Gly Arg Arg Ile His Ser Tyr 110 118 100 105 110 110 121 Arg Gly His Leu Trp Leu Phe Arg Asp Ala Gly Thr His Asp Gly Leu 121 Arg Gly His Leu Trp Leu Phe Arg Asp Ala Gly Thr His Asp Gly Leu 125 120 125 Leu Val Asn Gln Thr Glu Leu Phe Val Pro Ser Leu Asn Val Asp Gly 126 130 135 129 Gln Pro Ile Phe Ala Asn Ile Thr Leu Pro Val Tyr Thr Leu Lys Glu 155 160	
114 117 Pro Tyr Pro Thr Leu Pro Pro Gly Thr Gly Arg Arg Ile His Ser Tyr 118 110 118 121 Arg Gly His Leu Trp Leu Phe Arg Asp Ala Gly Thr His Asp Gly Leu 122 115 120 125 Leu Val Asn Gln Thr Glu Leu Phe Val Pro Ser Leu Asn Val Asp Gly 126 130 135 129 Gln Pro Ile Phe Ala Asn Ile Thr Leu Pro Val Tyr Thr Leu Lys Glu 130 145 150 150 175 176 177 177 178 178 179 179 170 170 170 170 170 170 170 170 170 170	
114 117 Pro Tyr Pro Thr Leu Pro Pro Gly Thr Gly Arg Arg Ile His Ser Tyr 118 110 118 121 Arg Gly His Leu Trp Leu Phe Arg Asp Ala Gly Thr His Asp Gly Leu 121 Leu Val Asn Gln Thr Glu Leu Phe Val Pro Ser Leu Asn Val Asp Gly 125 Leu Val Asn Gln Thr Glu Leu Phe Val Pro Ser Leu Asn Val Asp Gly 126 130 129 Gln Pro Ile Phe Ala Asn Ile Thr Leu Pro Val Tyr Thr Leu Lys Glu 130 145 130 145 150 150 170 175	
114 117 Pro Tyr Pro Thr Leu Pro Pro Gly Thr Gly Arg Arg Ile His Ser Tyr 118 110 118 121 Arg Gly His Leu Trp Leu Phe Arg Asp Ala Gly Thr His Asp Gly Leu 121 Leu Val Asn Gln Thr Glu Leu Phe Val Pro Ser Leu Asn Val Asp Gly 125 Leu Val Asn Gln Thr Glu Leu Phe Val Pro Ser Leu Asn Val Asp Gly 126 130 129 Gln Pro Ile Phe Ala Asn Ile Thr Leu Pro Val Tyr Thr Leu Lys Glu 130 145 130 145 150 150 170 175	
114 117 Pro Tyr Pro Thr Leu Pro Pro Gly Thr Gly Arg Arg Ile His Ser Tyr 118 110 118 121 Arg Gly His Leu Trp Leu Phe Arg Asp Ala Gly Thr His Asp Gly Leu 122 115 120 120 125 126 130 135 135 140 129 Gln Pro Ile Phe Ala Asn Ile Thr Leu Pro Val Tyr Thr Leu Lys Glu 130 145 133 Arg Cys Leu Gln Val Val Arg Ser Leu Val Lys Pro Glu Asn Tyr Arg 134 137 Arg Leu Asp Ile Val Arg Ser Leu Tyr Glu Asp Leu Glu Asp His Pro 190	
114 117 Pro Tyr Pro Thr Leu Pro Pro Gly Thr Gly Arg Arg Ile His Ser Tyr 118 110 118 121 Arg Gly His Leu Trp Leu Phe Arg Asp Ala Gly Thr His Asp Gly Leu 122 115 120 120 125 126 130 135 135 140 129 Gln Pro Ile Phe Ala Asn Ile Thr Leu Pro Val Tyr Thr Leu Lys Glu 130 145 133 Arg Cys Leu Gln Val Val Arg Ser Leu Val Lys Pro Glu Asn Tyr Arg 134 137 Arg Leu Asp Ile Val Arg Ser Leu Tyr Glu Asp Leu Glu Asp His Pro 190	
114 117 Pro Tyr Pro Thr Leu Pro Pro Gly Thr Gly Arg Arg Ile His Ser Tyr 118 119 110 1111 1111 112 113 114 115 110 115 110 117 118 119 119 110 110 1110 1110 1110 1110	
114 117 Pro Tyr Pro Thr Leu Pro Pro Gly Thr Gly Arg Arg Ile His Ser Tyr 118 119 110 1118 110 1119 1119 1119 1121 Arg Gly His Leu Trp Leu Phe Arg Asp Ala Gly Thr His Asp Gly Leu 1120 1120 1125 1120 1120 1125 122 115 124 125 Leu Val Asn Gln Thr Glu Leu Phe Val Pro Ser Leu Asn Val Asp Gly 126 130 129 Gln Pro Ile Phe Ala Asn Ile Thr Leu Pro Val Tyr Thr Leu Lys Glu 130 145 133 Arg Cys Leu Gln Val Val Arg Ser Leu Val Lys Pro Glu Asn Tyr Arg 134 135 136 137 Arg Leu Asp Ile Val Arg Ser Leu Tyr Glu Asp Leu Glu Asp His Pro 138 141 Asn Val Gln Lys Asp Leu Glu Arg Leu Thr Gln Glu Arg Ile Ala His 142 195	
114 117 Pro Tyr Pro Thr Leu Pro Pro Gly Thr Gly Arg Arg Ile His Ser Tyr 118	
114 117 Pro Tyr Pro Thr Leu Pro Pro Gly Thr Gly Arg Arg Ile His Ser Tyr 118 119 110 1118 110 1119 1119 1119 1121 Arg Gly His Leu Trp Leu Phe Arg Asp Ala Gly Thr His Asp Gly Leu 1120 1120 1125 1120 1120 1125 122 115 124 125 Leu Val Asn Gln Thr Glu Leu Phe Val Pro Ser Leu Asn Val Asp Gly 126 130 129 Gln Pro Ile Phe Ala Asn Ile Thr Leu Pro Val Tyr Thr Leu Lys Glu 130 145 133 Arg Cys Leu Gln Val Val Arg Ser Leu Val Lys Pro Glu Asn Tyr Arg 134 135 136 137 Arg Leu Asp Ile Val Arg Ser Leu Tyr Glu Asp Leu Glu Asp His Pro 138 141 Asn Val Gln Lys Asp Leu Glu Arg Leu Thr Gln Glu Arg Ile Ala His 142 195	

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154	<220	> FE	ATUR	Ε:													
155	<221	> NA	ME/K	EY:	CDS												
156	<222	> LC	CATI	ON:	(1).	. (24	/8)										
158	<400	> SE	QUEN	CE:	3				~~~	220	222	ааσ	aĖa	aσt.	tct	qaa	48
159	<400 atg	gag	ggc	gcc	ggc	ggc	gcg	aac	gac	aay	Tuc	T.vc	Tle	Ser	Ser	Ğlu	
160	atg Met	Glu	Gly	Ala	Gly	Gly .	Ala	ASN	ASP	LуS 10	гуз	цуз	110		15	_	
					E					T.O.							96
163	1 cgt	cga	aaa	gaa	aag	tct	cga -	gat	gca	315	Ara	Car	Δra	Ara	Ser	Lvs	
164	cgt Arg	Arg	Lys	Glu	Lys	Ser	Arg	Asp	Ala	Ата	AIG	261	**** 9	30			
				$\sim \sim$					2.3								144
167	gaa	tct	gaa	gtt	ttt	tat	gag	ctt	gct	Cal	cln	TAIL	Dro	Len	Pro	His	
168	gaa Glu	Ser	Glu	Val	Phe	\mathtt{Tyr}	GLu	Leu	Ala	HIS	GIII	пец	45	1104			
			~ =					41.0					10				192
171	aat	gtg	agt	tcg	cat	ctt	gat	aag	gcc	CCL	9 L9	Mot	Arσ	T.ell	Thr	Tle	
172	aat Asn	Val	Ser	Ser	His	Leu	Asp	Lys	Ата	ser	Val	rice	пта	пси	+11-		
							~~					00					240
175	agc	tat	ttg	cgt	gtg	agg	aaa	ctt	ctg	gat	gcu	ggt	yac Acn	T.AII	Agn	Tle	
176	agc Ser	Tyr	Leu	Arg	Val	Arg	Lys	Leu	Leu	Asp	AIG	GTÄ	кър	пси	no _P	80	
						70					,,,						288
179	65 gaa	gat	gac	atg	aaa	gca	cag	atg	aat	tgc	LLL Dha	marx	Tou	Luc	Δla	Len	
180	gaa Glu	Asp	Asp	Met	Lys	Ala	Gln	Met	Asn	Cys	Pne	тут	цец	цуз	95	Lou	
					0 =					90							336
183	gat	ggt	ttt	gtt	atg	gtt	ctc	aca	gat	gat	ggt	yac	Mot	Tla	Tur	Tle	
184	gat Asp	Gly	Phe	Val	Met	Val	Leu	Thr	ASP	Asp	GLY	ASP	мес	110	111	110	
				1 0 0					103								384
187	tct	gat	aat	gtg	aac	aaa	tac	atg	gga	tta	act	cay	Dha	Clu	T.AII	Thr	
188	tct Ser	Asp	Asn	Val	Asn	Lys	\mathtt{Tyr}	мет	Gly	Leu	Thr	GIII	1110	<u> </u>	пец	1111	
																	432
191	gga	cac	agt	gtg	ttt	gat	ttt	act	cat	cca	tgt	. gac	Uat	Clu	Glu	atg Met	
192	L gga 2 Gly	His	Ser	· Val	Phe	Asp	Phe	Thr	His	Pro	Cys	АЗР	1110	GIU	GIG	1100	
	_	400					1 4 7					7-7-0					480
195	5 aqa	gaa	atg	ctt	aca	cac	aga	aat	ggc	ctt	gtg	aaa	aay	994	Two	gaa Glu	
196	6 Arg	Glu	. Met	Leu	Thr	His	Arg	Asn	GLy	Leu	. val	. цуз	гуу	. Сту	пуз	Glu 160	
																	528
199	eaa	aac	aca	cag	cga	agc	ttt	ttt	. ctc	aga	ato	aay	Crre	mby	LOU	act Thr	,
200) Gln	Asr	1 Thi	: Gln	Arg	ser [Pne	Phe	Leu	Ary	Med	r L	Сув	, T11T	175		
					16					170	,						576
20	3 ago	. cga	a gga	a aga	act	: atg	aac	: ata	aag	tct	gca	a aca	Luy	, aay	v Val	ttg Leu	
204	4 Ser	Arg	Gly	Arg	Thi	Met	Asn	Ile	: гу	, ser	: Ala	Thi	TTF	190		Leu	
																	624
		t t q	c aca	a ggo	cac	att	. cac	gta	ı tat	: gat	aco	aac	agu	. aal	Clr	a cct n Pro	921
20	8 His	Cy:	s Thi	r Gly	His	: Ile	His	ya.	TAT	Asp	Thi	r Asr	1 001		1 611	n Pro	
																	672
		ı ta	t gg	g tat	aaq	g aaa	CC	a cct	ato	aco	tgo		gt	y CLS	, all	t tgt e Cys	
21	2 Glr	Cy.	s Gl	у Туз	r Lys	s Lys	Pro	Pro) Met	Thi	r Cys	5 1100		т пе	Y TT,	e Cys	
21		21					215	5				220	J				

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215	αаа	CCC	att	cct	cac	cca	tca	aat	att	gaa	att	cct	tta	gat	agc	aag	720
215	Glu	Pro	Ile	Pro	His	Pro	Ser	Asn	Ile	Glu	Ile	Pro	Leu	Asp	ser	Lys	
																	768
		ttc	ctc	agt	cga	cac	agc	ctg	gat	atg	aaa	ttt	tct	tat	tgt	yaı 3an	700
220	Thr	Phe	Leu	Ser	Arg	His	ser	Leu	ASP	Mer	Lys	Phe	Ser	туr	Cys	Asp	
																	816
	gaa	aga	att	acc	gaa	ttg	atg	gga	tat	gag	cca	gaa	gaa	ctt	tta	gge	010
223	Glu	Ara	Ile	Thr	Ğlu	Leu	Met	Gly	Tyr	Glu	Pro	Glu	Glu	_	Leu	GTA	
				$\sim \sim \sim$					7 n n					_, _			864
	cac	t.ca	att	tat	qaa	tat	tat	cat	gct	ttg	gac	tct	gat	cat	ctg	acc mb∞	004
228	Ara	Ser	Ile	Tyr	Glu	Tyr	Tyr	His	Ala	Leu	Asp	Ser	LINE	HIS	Leu	TIII	
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	aaa	act		cat	gat	atg	ttt	act	aaa	gga	caa	gtc	acc	aca	gga	cay	712
232	Lvs	Thr	His	His	Asp	Met	Phe	Thr	Lys	Gly	Gln	V U.J.	Thr	Thr	GIY	Gln	
																	960
235	tac		atq	ctt	gcc	aaa	aga	ggt	gga	tat	gtc	tgg	gtt	gaa	acu mh~	caa Gln	300
236	Tvr	Arq	Met	Leu	Ala	Lys	Arg	Gly	Gly	Tyr	v u ı	Trp	vaı	GIU	TIII	Gln 320	
						211					212						1008
			qtc	ata	tat	aac	acc	aag	aat	tct	caa	cca	cag	tgo	TIO	gta Val	1000
240	Ala	Thr	val	Ile	Tyr	Asn	Thr	Lys	Asn	DET	Gln	Pro	GIN	Cys	335		
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	t.at.	ata	aat	tac	gtt	gtg	agt	ggt	att	att	cag	cac	gac	tty	1 all	ttc Phe	1030
244	Cvs	Val	Asn	Tyr	Val	Val	Ser	Gly	TTE	Ile	Gln	His	Asp	Den Ten	TTE	Phe	
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		ctt	. caa	caa	aca	gaa	tgt	gtc	ctt	aaa	ccg	gtt	gaa	Cor		gat Asp	2201
248	Ser	Leu	Glr	Gln	Thr	Glu	Cys	Val	Leu	Lys	Pro	vaı			. 561	Asp	
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251	ato	aaa	ato	, act	cag	r cta	ttc	acc	aaa	gtt	. gaa	L Co	gac	i yai	, acc	a agt Ser	
252	Met	Lys	Met	Thr	Gln	Leu	Phe	Thi	Lys	vai	. GIU	. DC1	. 010	r vaF	, 1111	ser	
							377					200	,				1200
255	ago	cto	ttt	gad	aaa	ctt	aag	aag	gaa	CCT	gat	. yci	TO	ı Thi	r T.el	g ctg 1 Leu	_
256	Sei	Leu	ı Phe	a Asp	Lys	Leu	Lys	Lys	g GLu	Pro) Wal	, ATC	т пес	1 1111	L LC	1 Leu 400	
																	1248
259	gco	c cc	a gc	c gct	t gga	a gac	aca	ato	ata	tct		ı ya	o Dha	- 99'	z Se	c aac r Asn	
260) Ālā	Pre	o Ala	a Ala	a Gly	y Asp	Thi	: 116	i ITe	. 261	. пес	I AS	o Pin	5 61.	41		
					401	=				411	,						1296
263	ga g	ac	a ga	a act	t gat	t gad	cag	g caa	CU	. gac	y yaa	1 yu	a cci	n Tei	n Tv	t aat r Asn	
264	As	Th	r Gl	u Th	r Ası	p Asp	G L	n GII	тес	GI	1 610	ı va.	T 11,	43	1	r Asn	
267	7 ga	t gt	a at	g ct	c cc	c tca	a cc	c aa	g gaa	laad	2 LLC	a Ca	n Ac	n T1	e As	t ttg n Leu	
268	a As	p Va	l Me	t Le	u Pro	o Sei	r Pro	O ASI	D GII	гга	2 TIC	u Gr	44	5		n Leu	
27	1 gc	a at	g tc	t cc	a tt	a cc	ac	c gc	c gad	ı acy	r Dr	u uu ∩ T.v	g Dr	o Le	u Ar	a agt g Ser	
27	2 Al			r Pŗ	o Le	u Pro	o Tri	L AT	a GI	1 111.	r rr.	46	0	- -		g Ser	
27	5 ag	t go	t ga	c cc	t gc	a ct	aa	L Ca	a ydd	1 YIL 1 Wa	1 71	a T.P	u Lv	s Le	u Gl	a cca u Pro	
27	6 Se	r Al	a As	p Pr	o Al	а ье	ı AS	п ст	n GT	ı va	47	u	1			u Pro 480	
																g gat	
27	9 aa	t co	a ga	g to	a ct	g ga	a CC	נ נט		L ac	. uc	, ,		_		- -	

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283	cag	aca	cct	agt	cct	tcc	gat	gga	dgc	aCL πhr	Ara	Cln	agt	Sor	Pro	Glu	
	Gln	Thr	Pro		Pro	ser	Asp	СТУ	261	TIIT	AIY	GIII	Ser	510	110	OIU	
285				500					505	+-+	a+ a	ant.	a art		atσ	atc	1584
287	cct	aat	agt	CCC	agt	gaa	tat	tg t	Dha	m	y Ly) an	agt	Acn	Mot	Val	
	Pro	Asn		Pro	Ser	GLu	Tyr	Cys	Pne	тАт	vaı	АБР	Ser 525	изъ	ncc	, 44	
289			515					520						~~~	a 2 0	202	1632
291	aat	gaa	ttc	aag	ttg	gaa	ttg	gta	gaa	aaa	CLL	Dha	gct	gaa	yac	Thr	1032
292	Asn	Glu	Phe	Lys	Leu	Glu		Val	GLU	гăг	Leu	PHE	Ala	GIU	мэр	TIII	
293		530					535					540	++-	~~~	++~	a 2 a	1680
295	gaa	gca	aag	aac	cca	ttt	tct	act	cag	gac	aca	gat	tta	gac	LLG	Clu	1000
296	Glu	Ala	Lys	Asn	Pro		Ser	Thr	GIn	Asp	Thr	Asp	Leu	ASP	ьец	GIU	
297	545					550					555					560	1728
299	atg	tta	gct	CCC	tat	atc	cca	atg	gat	gat	gac	ttc	cag	tta	cgi	Con	1/20
300	Met	Leu	Ala	Pro	Tyr	Ile	Pro	Met	Asp	Asp	Asp	Phe	Gln	ьeu	Arg	Ser	
301					565					570					2/2		1776
303	ttc	gat	cag	ttg	tca	cca	tta	gaa	agc	agt	tcc	gca	agc	CCT	gaa	age	1776
304	Phe	Asp	Gln	Leu	Ser	Pro	Leu	Glu	Ser	Ser	Ser	Ala	Ser	Pro	GLu	ser	
305				580					585					590			1004
307	gca	agt	cct	caa	agc	aca	gtt	aca	gta	ttc	cag	cag	act	caa	ata	caa	1824
308	Ala	Ser	Pro	Gln	Ser	\mathtt{Thr}	Val	Thr	Val	Phe	Gln	Gln	Thr	Gin	He	GIn	
300			595					600					605				1070
311	gaa	cct	act	gct	aat	gcc	acc	act	acc	act	gcc	acc	act	gat	gaa	tta -	1872
312	Glu	Pro	Thr	Ala	Asn	Ala	\mathtt{Thr}	Thr	Thr	Thr	Ala	Thr	Thr	Asp	GLu	Leu	
313		610					615					620		*			1000
315	aaa	aca	gtg	aca	aaa	gac	cgt	atg	gaa	gac	att	aaa	ata	ttg	att	gca	1920
316	Lys	Thr	Val	Thr	Lys	Asp	Arg	Met	Glu	Asp	Ile	Lys	Ile	Leu	Ile	Ala	
317	625					630					635					040	1060
319	tct	cca	tct	cct	acc	cac	ata	cat	aaa	gaa	act	act	agt	gcc	aca	tca	1968
320	Ser	Pro	Ser	Pro	Thr	His	Ile	His	Lys	Glu	Thr	Thr	Ser	Ala	Thr	Ser	
321					645					650					622		5016
323	tca	cca	tat	aga	gat	act	caa	agt	cgg	aca	gcc	tca	cca	aac	aga	gca	2016
324	Ser	Pro	Tyr	Arg	Asp	Thr	Gln	Ser	Arg	Thr	Ala	Ser	Pro	Asn	Arg	Ala	
325				660					665					6/0			2254
327	gga	aaa	gga	gtc	ata	gaa	cag	aca	gaa	aaa	tct	cat	cca	aga	agc	cct	2064
328	Ğĺy	Lys	Gly	Val	Ile	Glu	Gln	Thr	Glu	Lys	Ser	His	Pro	Arg	Ser	Pro	
329			675					680					685				0110
331	aac	qtq	tta	tct	gtc	gct	ttg	agt	caa	aga	act	aca	gtt	cct	gag	gaa	2112
332	Asn	Val	Leu	Ser	Val	Ala	Leu	Ser	Gln	Arg	Thr	Thr	Val	Pro	Glu	Glu	
223		690					695					/00					24.60
335	gaa	cta	aat	cca	aag	ata	cta	gct	ttg	cag	aat	. gct	cag	aga	aag	cga	2160
336	Ğlu	Leu	Asn	Pro	Lys	Ile	Leu	Ala	Leu	Gln	Asn	Ala	Gln	Arg	Lys	Arg	
337	705					710					715					/20	
330	aaa	ato	qaa	cat	gat	ggt	tca	ctt	ttt	caa	gca	gta	gga	att	gga	aca	2208
340	Lvs	Met	Ğlu	His	Āsp	Gly	Ser	Leu	Phe	Gln	Ala	Val	Gly	Ile	СТА	Tnr	
341					725					730					/33	1	
3/13	tta	tta	cad	cad	сса	gac	gat	cat	gca	gct	act	aca	tca	ctt	tct	. tgg	2256
344	Leu	Leu	Gln	Gln	Pro	Asp	Asp	His	Ala	Ala	Thr	Thr	Ser	Leu	Ser	Trp	
5.1					_	-	•										

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/922,958

DATE: 08/14/2001 TIME: 12:25:38

Input Set : A:\PTO_VSK.txt

Output Set: N:\CRF3\08142001\I922958.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:605 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:6 L:618 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:7